

## WHAT IS CLAIMED IS:

1. In a telecommunications network, a video relay system for facilitating communications between a deaf party and a hearing party, the video relay system having an interpreter, comprising:

a video server unit for receiving and recording a sign language message;  
and

a video processing unit being operatively coupled to the video server unit, the video processing unit for displaying the recorded sign language message to the interpreter so as to translate the recorded sign language message to an audio message for later transmission to the hearing party.

2. The system of claim 1, further comprising a server for routing the sign language message to the video server.

3. The system of claim 1, further comprising a voice mail unit for receiving the audio message and transmitting the audio message to the hearing party responsive to receiving an access signal.

4. The system of claim 1, further comprising an audio processing platform for the interpreter to transmit the audio message to the hearing party responsive to a request from the hearing party.

5. The system of claim 1, further comprising a profile file processor for providing a subscriber profile of the deaf party.

6. The system of claim 1, wherein the video server unit includes a computer readable medium for storing the sign language message.

7. In a relay system, a method of facilitating communications between a calling party and a called party using an interpreter, the method comprising the steps of:

receiving a request from the calling party for communicating with the called party;

attempting to establish communications with the called party and receiving an unavailable status of the called party;

responsive to receiving the unavailable status, receiving at least one of a sign language message for storage in a video storage device and an audio message for storage in a voice mail device corresponding to a message mode identifier; and

relaying the least one of the sign language message and the audio message to the called party responsive to receiving the message mode identifier.

8. The method of claim 7, wherein step of relaying the sign language message includes the steps of accessing the video storage device so as to retrieve the sign language message and interpreting the retrieved sign language message for the called party.

9. The method of claim 7, wherein the step relaying the audio message includes the step of connecting the called party to the video mail device.

10. The method of claim 7, wherein the step of receiving the sign language message includes the step of connecting the called party to the video storage device.

11. The method of claim 7, wherein the step of receiving the audio message includes the steps of translating sign language data received from the called party into the audio message.

12. The method of claim 7, further comprising the step of transmitting the message mode identifier to the called party.

13. A method of remote video interpreting using a relay system to facilitate communications between a deaf party using a video communication platform and a hearing-party using an audio telephony platform, the relay system having a plurality of interpreters, the method of remote interpreting comprising the steps of:

receiving, at the relay system, a request for a network connection to the hearing-party from the deaf party; and retrieving a predetermined profile for the deaf party in which the predetermined profile includes at least a language preference;

responsive to the step of retrieving, prompting the deaf party corresponding to the language preference for a network address linked to the audio telephony platform;

establishing the network connection to the network address having the audio telephony platform of the hearing-party;

the relay system receiving a real-time sign language input from the video communications platform of the deaf party;

formatting the real-time sign language input directly into spoken words while relaying, via the network connection from the relay system, the spoken words to the hearing-party that corresponds to the formatted real-time sign language input from the deaf party.

14. The method of claim 13, wherein the step of receiving a request, further comprises the step of receiving the request in a videophone call.

15. The method of claim 13, further comprising the step of receiving an identity function code so that the hearing party can hear a synthesized voice corresponding to a preselected voice profile.

16. The method of claim 13, wherein the step of relaying further comprises the step of generating a synthesized voice identity corresponding to the deaf party.

17. The method of claim 13, further comprising the step of receiving the request in a web page connected to the World-Wide-Web.

18. The method of claim 13, wherein the step of retrieving the subscriber profile includes accessing a database including at least one of a previous network address and a linked language preference.

19. A remote video interpreting system to facilitate communications between a deaf party and a hearing party, comprising:

a video communication platform for displaying and receiving real-time sign language data via a first relay link;

a relay center being connected to the first relay link and a second relay link, the first relay link for receiving the sign language data so that the real-time sign language data can be converted into a spoken message, and the second relay link for transmitting the spoken message to an audio telephony platform, and the relay center having an interpreter that receives the real-time sign language; and

a video storage processor coupled to the relay center, the video storage processor for storing the real-time sign language data.

20. The system of claim 19, wherein the first relay link further comprises a digital communication protocol and the second relay link further comprises a telephone network.

21. The system of claim 19, wherein the first relay link further comprises an Internet protocol link and the second relay link further comprises a telephone network.

23. The system of claim 19, wherein the audio telephony platform is selected from a group comprising: a personal computer equipped with a voice modem, a wireless phone, a laptop with a voice modem, a telephony-enabled personal digital assistant, a handheld terminal device, a palm-sized computer, and an IP-enabled telephone.

25. The system of claim 19, wherein the video communication platform further comprises a memory for storing an identity code for transmission through the first relay link to the relay center, the identity code causing the relay center to transmit a synthesized voice through the second relay link corresponding to a preselected voice profile.

27. The system of claim 26, wherein the predetermined digital voice profile is voice imprint of the deaf party.

a video communication platform for displaying and receiving real-time sign language data via a first relay link;

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sign language data can be converted into a spoken message, and the second relay link for transmitting the spoken message to an audio telephony platform; and

a profile server coupled to the relay center, the profile server for providing a subscriber profile of the deaf party.

29. The system of claim 28, wherein the audio telephony platform is selected from a group comprising: a personal computer equipped with a voice modem, a wireless phone, a laptop with a voice modem, a telephony-enabled personal digital assistant, a handheld terminal device, a palm-sized computer, and an IP-enabled telephone.

30. The system of claim 28, further comprising a web server coupled the first relay link.

31. The system of claim 28, wherein the video communication platform further comprises a memory for storing an identity code for transmission through the first relay link to the relay center, the identity code causing the relay center to transmit a synthesized voice through the second relay link corresponding to a preselected voice profile.

32. The system of claim 28, wherein the relay center retains a predetermined identity code established by the deaf party so that the audio telephony platform receives the spoken message in a synthesized voice corresponding to a predetermined digital voice profile.

33. The system of claim 32, wherein the predetermined digital voice profile is voice imprint of the deaf party.

34. In a relay system, a method of facilitating communications between a calling party and a called party using an interpreter, the method comprising the steps of:

the relay system receiving a real-time audio input from the hearing party from the audio telephony platform; and

relaying, via the network connection from the relay system, the audio input to the deaf party in sign language.

37. The method of claim 36, wherein the step of receiving a request, further comprises the step of receiving the request in a videophone call.

38. The method of claim 36, further comprising the step of receiving an identity function code so that the hearing party can hear a synthesized voice corresponding to a preselected voice profile.

39. The method of claim 36, further comprising the step of receiving the request in a web page connected to the World-Wide-Web.

40. The method of claim 36, wherein the step of retrieving the subscriber profile includes accessing a database.